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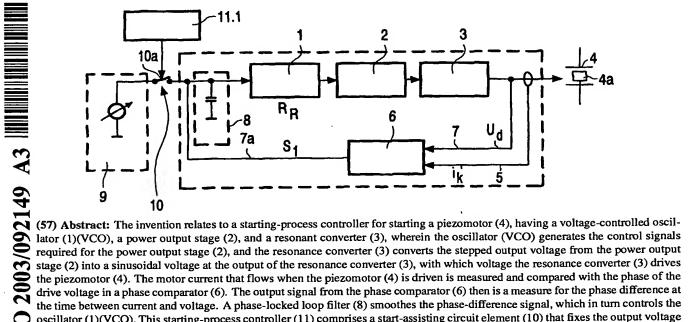
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[Continued on next page]

(54) Title: STARTING-PROCESS CONTROLLER FOR STARTING A PIEZOMOTOR



the time between current and voltage. A phase-locked loop filter (8) smoothes the phase-difference signal, which in turn controls the oscillator (1)(VCO). This starting-process controller (11) comprises a start-assisting circuit element (10) that fixes the output voltage from the phase-locked loop filter (8) at start-up and thus applies a constant voltage to the input of the voltage-controlled oscillator (1)(VCO).







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## INTERNATIONAL SEARCH REPORT

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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	figure 1 column 8, line 46 - line 55; figure 5	
	-/	
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Further documents are listed in the continuation of box C.	Patent family members are fisted in annex.
Special categories of cited documents:      A document defining the general state of the art which is not considered to be of particular relevance      E earlier document but published on or after the international filing date      L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)      O document referring to an oral disclosure, use, exhibition or other means      P document published prior to the international filing date but later than the priority date claimed	<ul> <li>'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>'&amp;' document member of the same patent family</li> </ul>
Date of the actual completion of the international search	Date of mailing of the international search report
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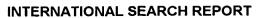


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